WMI

sage

Sage Days
Algorithms in Number Theory and FLINT
17 - 22 December 2011
Mathematics Institute, University of Warwick
Organisers: William Hart, John Cremona, Marco Streng, Fredrik Johansson

Sage is a free open-source mathematics software system. It combines the power of many existing open-source packages into a common interface. See http://www.sagemath.org/

FLINT (Fast Library for Number Theory) is a fast Open Source C library for support of computations in Number Theory which is a component of Sage. See http://www.flintlib.org/

Aims of the workshop

· Present and discuss recent algorithmic developments in Number Theory
· Introduce Sage to UK Number Theorists
· Introduce Sage to Warwick researchers, postgraduates and undergraduates
· Foster collaborations between UK researchers (including the Number Theory group at Warwick) and other Sage contributors

Programme

· Two invited talks per day (including Introduction to Sage talks)
· MiR@W Day (Mathematical Interdisciplinary Research at Warwick) on Monday 19th December
· An evening public lecture
· Coding sprints

(The formal programme will finish on the afternoon of the 21st December, but participants may arrive on the 16th and/or depart on the 22nd if they wish.)
Lectures will take place in Lecture Hall MS.03, Mathematics Institute

Invited speakers

Martin Albrecht	Mark van Hoeij	Sebastian Pancratz	Arne Storjohann
Maarten Derickx	Simon King	Nigel Smart	Paul Zimmermann
David Harvey	Andy Novocin	William Stein (to be confirmed)	

Registration is now open for this event. To register (graduate students may apply for funding to cover their accommodation and travel), please go to:
http://www2.warwick.ac.uk/fac/sci/maths/research/events/2011-2012/sage/
and click on the link at the right hand side. Registration is free.

For further information on these and other events see: **go.warwick.ac.uk/mathsevents**
or contact: **Mathematics Research Centre, Zeeman Building, University of Warwick, Coventry CV4 7AL, UK**
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